

## INTERNATIONAL SEARCH REPORT

Internal Application No  
PCT/JP2005/008464

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C01G25/00 C01G1/02 B01D53/86 B01D53/94 B01J23/10  
B01J35/10

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C01G B01D B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 12, 5 December 2003 (2003-12-05) & JP 2004 074138 A (TOYOTA MOTOR CORP), 11 March 2004 (2004-03-11) cited in the application abstract paragraph '0030! - paragraph '0031!; figure 1; example 1 -----	1,2,5
Y	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 12, 5 December 2003 (2003-12-05) & JP 2003 277060 A (TOYOTA MOTOR CORP), 2 October 2003 (2003-10-02) abstract paragraphs '0008!, '0013! - '0019!; figure 1 -----	6
A	----- -/-	1-5

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*P\* document published prior to the international filing date but later than the priority date claimed

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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

21 October 2005

Date of mailing of the international search report

03/11/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	A.F. HOLLEMANN, E. WIBERG: "Lehrbuch der Anorganischen Chemie" 1995, W. DE GRUYTER, NEW YORK, XP002350463 page 929, paragraphs HYDROPHOBIC, KOLLOIDE -----	6
P, X	EP 1 415 956 A (TOYOTA MOTOR CO LTD 'JP!') 6 May 2004 (2004-05-06) the whole document -----	1-6

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/JP2005/008464

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 2004074138 A	11-03-2004	NONE	
JP 2003277060 A	02-10-2003	NONE	
EP 1415956 A	06-05-2004	JP 2004141833 A US 2004087440 A1	20-05-2004 06-05-2004